3 11. The magneto-optical device of Claim 10, wherein said side walls are perpendicular to a surface of said substrate.

4 12. The magneto-optical device of Claim 9, further comprising a reflecting layer on a first face of said substrate.

5 13. The magneto-optical device of Claim 12, further comprising an anti-reflecting layer on a second face of said substrate.

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6 14. The magneto-optical device of Claim 9, wherein said ferromagnetic layers are electrically conductive.

7 15. The magneto-optical device of Claim 14, wherein said ferromagnetic layers comprise particles of a member of the group consisting of Fe, Co, Ni, FeCo alloys, FeNi alloys and CoNi alloys.

8 16. The magneto-optical device of Claim 15, wherein said ferromagnetic layers have an average diameter in an inclusive range of 2 through 20 nanometers.

9 17. The magneto-optical device of Claim 9, further comprising a layer of non-magnetic semiconducting material or metal in contact with said ferromagnetic layers and having a same thickness as the thickness of the ferromagnetic layers and a width in an inclusive range of 5 through 10 nanometers.

10 18. The magneto-optical device of Claim 10, further comprising a reflecting layer on a first face of said substrate.

11 19. The magneto-optical device of Claim 18, further comprising an anti-reflecting layer on a second face of said substrate.

12 20. The magneto-optical device of Claim 10, wherein said ferromagnetic layers are electrically conductive.

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13 ~~21~~. The magneto-optical device of Claim ~~20~~ 12, wherein said ferromagnetic layers comprise particles of a member of the group consisting of Fe, Co, Ni, FeCo alloys, FeNi alloys and CoNi alloys.

14 ~~22~~. The magneto-optical device of Claim ~~21~~ 13, wherein said ferromagnetic layers have an average diameter in an inclusive range of 2 through 20 nanometers.

15 ~~23~~. The magneto-optical device of Claim ~~10~~ 2, further comprising a layer of non-magnetic semiconducting material or metal in contact with said ferromagnetic layers and having a same thickness as the thickness of the ferromagnetic layers and a width in an inclusive range of 5 through 10 nanometers.

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16 ~~24~~. The magneto-optical device of Claim ~~11~~ 3, further comprising a reflecting layer on a first face of said substrate.

17 ~~25~~. The magneto-optical device of Claim ~~24~~ 16, further comprising an anti-reflecting layer on a second face of said substrate.

18 ~~26~~. The magneto-optical device of Claim ~~11~~ 3, wherein said ferromagnetic layers are electrically conductive.

19 ~~27~~. The magneto-optical device of Claim ~~26~~ 18, wherein said ferromagnetic layers comprise particles of a member of the group consisting of Fe, Co, Ni, FeCo alloys, FeNi alloys and CoNi alloys.

20 ~~28~~. The magneto-optical device of Claim ~~27~~ 19, wherein said ferromagnetic layers have an average diameter in an inclusive range of 2 through 20 nanometers.

21 ~~29~~. The magneto-optical device of Claim ~~11~~ 3, further comprising a layer of non-magnetic semiconducting material or metal in contact with said ferromagnetic layers and

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